

6165

(And Add'l Wk. 1936)

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No.

H(M)

6165

AND

(Add'l Wk. 1936)

State Georgia

LOCALITY

Tybee Roads

Whitemarsh Island

193 4

CHIEF OF PARTY

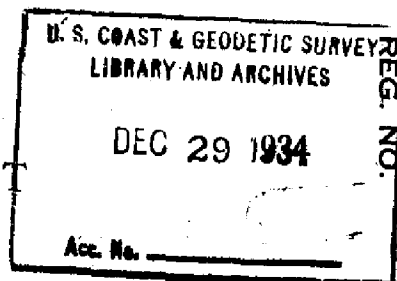
C.A. Egner & J.A. Bond

U. S. GOVERNMENT PRINTING OFFICE: 1934

6165

(And Add'l Wk. 1936)

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY



TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. H (M)

REGISTER NO. 6165

State Georgia
General locality Tybee Roads, Georgia Island
Locality Whittemarsh Island
Scale 1/10,000 Date of survey Sept. 19 34
Vessel Party No. 23 and MIKAWA
Chief of party C. A. Egner and J. A. Bond
Surveyed by G. R. Dietz and E. Shuffle Jr.
Inked by J. G. Patterson
Heights in feet above _____ to ground to tops of trees
Contour, * Approximate contour, Form line interval _____ feet
Instructions dated Dec. 5, 19 33
Remarks: This sheet for hydrographic and topographic control only.

SUPPLEMENTAL REPORT TO ACCOMPANY TOPOGRAPHIC

SHEET FIELD HM- 1934

Project: F.P. 4

Party No. 23

1934

State: Georgia

General Locality: Little St. Simons Island.

Locality: Hampton River

Adjoins Sheets: LM, GM, and S'

Sheet on reverse side: None

Scale: 1/10,000

Datum: N.A. 1927

Chief of Party: C. A. Egner

Topographer: G. R. Dietz

Date of Instructions: Dec. 5, 1933

Inked by: J. G. Patterson

INSTRUMENTS

USED:

The usual plane-table outfit was used. Signals were located by cuts taken from setups on stations previously located on this sheet by the MIKAWA. At selected points a section of shoreline was rodded in to assist the photo-compilation unit in tying down the general topography.

PURPOSE OF SURVEY:

To locate signals for hydrography, to revise existing surveys, to aid the photo-compilation unit in providing the general topography.

MARKING OF STATIONS:

It was thought that there was sufficient control for future surveys without marking any additional stations.

LANDMARKS:

None worthy of the name appear on this sheet.

RECOVERABLE STATIONS:

See paragraphy "Marking of stations" above.

GEOGRAPHIC NAMES:

The charted names are the accepted local names.

METHOD OF TRANSFER OF
SIGNALS TO HYDROGRAPHIC SHEETS:

Signals were transferred by tracing.

VERTICAL
CONTROL:

None.


MISCELLANEOUS:

In order to do hydrography in Hampton River it was necessary to establish additional signals which are ED, GAR, AS, SIV, IMP, and DUO on this sheet which was originally executed by the party on the MIKAWA. This report is supplemental to report previously written by the MIKAWA party.

Respectfully submitted,

G. R. Dietz

Approved and forwarded;


C. A. Egner, Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET

FIELD H

INSTRUMENTS USED:

Standard planetable equipment.

PURPOSE:

CONTROL AND METHODS:

Supplementing several triangulation stations previously established which, collectively, did not sufficiently control this area considering its importance, a scheme of 3rd order triangulation was put in covering the area of this sheet.

This provided a series of strong planetable setups as well as gave control for good 3-point fixes for intersection on the many additional signals established. In the case of Richardson Creek, a traverse was necessary lapping over on sheet K where a tie-in was made on triangulation station TOPO. A small error in this traverse was adjusted proportionately.

To simplify and strengthen the location of numerous signals set up for the hydrography, these were, wherever possible, ranged in so that in some instances as many as six appear exactly in line. An accurate check was in this way provided and had the further advantage in giving strong sextant fixes even in places where the angles were necessarily small.

MARKING OF STATIONS:

Numerous triangulation stations are marked permanently in the accepted manner.

Supplementing these for future recovery in revision work, a great many topo signals were marked with 4"x 4"x 8' cypress stakes showing about 18" above the ground. As cypress weathers very well in marshy ground, these should be available for many years. A number of trees uses as signals were marked with blazes.

LANDMARKS:

Only a very few useful as landmarks are to be found on this sheet.

These have been listed on the conventional form.

GEOGRAPHIC NAMES:

Those listed on the charts have been retained.

VERTICAL CONTROL:

None.

CHANGES SINCE PROVIOUS SURVEYS:

Since shoreline has not been required on this sheet, except in fragmentary pieces, it is difficult to say what changes have taken place since the last survey.

MAGNETIC MERIDIAN:

Taken at triangulation station
CAUSTON June 5, 1934.

LIST OF TOPO SIGNALS:

The accompanying list of topo. signals includes only those which are recoverable.

Respectfully submitted

Guy R. Dietz

Approved and forwarded.

C. E. Egnor
Chief of Party.

Topo. Sheet "H"

Datum N. A. 1927--Charts Affected 1241--440

Name		Datum N. A. 1927--Charts Affected 1241--440			
		Latitude	Longitude		Marked
		o ' Meters	o ' Meters		
Dot	32-02	1273 (575)	81-02 (907)		4"x 4"x 8' stake #35 8d nails
Tate	32-02	1588 (260)	81-02 (1013)		1 ft. sq. blaze on 3' pine center extreme South tree line
Torn	32-02	1426 (422)	81-01 (610)		4"x 4"x 8' stake #57 8d nails. 10 meters E. H.W.L.
Sol	32-02	1843 (5)	81-01 (561)		4"x 4"x 8' stake #32 8d nails 21 meters North H. W. L.
Ton	32-03	488 (1360)	81-01 (470)		4"x 4"x 8' stk. #31 8d nails 130 meters East H. W. L.
Mill	32-03	1122 (726)	81-01 (372)		4"x 4"x 8' stake #30 8d nails 38 meters East H. W. L.
Saw	32-03	1479 (369)	81-01 (1231)		4"x 4"x 8' stk. 2 & 9 8 d nails 49 m. East H. W. L.
Mike	32-01	--- (973)	81-01 (766)		4"x 4"x 8' stk. #51 8d nails 88 meters North H. W. L.
Lo	32-01	--- (1007)	81-01 (907)		X blazed on 12" Pine on extreme S. pt. of Trees.
Kay	32-01	--- (1023)	81-02 (1326)		4" x 4" x 8' stk. #52 8d nails 35 m. N. H. W. L.
It	32-01	--- (817)	81-02 (556)		4"x 4"x 8' stk. #53 8d nails 48 meters North H. W. L.
Hat	32-01	--- (727)	81-02 (219)		4"x 4"x 8' stk. #54 8d nails 16 meters North H. W. L.
Far	32-01	--- (172)	81-02 (410)		4"x 4"x 8' stk. #55 8d nails 16 meters North H. W. L.
Ash	32-02	133 (1715)	81-02 (513)		4"x 4"x 8' stk. #56 8d nails 26 meters North H. W. L.
Bad	32-02	562 (1286)	81-02 (662)		4"x 4" x 8' stk. #38 8d nails 3 meters East H. W. L.
Wat	32-02	753 (1095)	81-02 (852)		4"x 4"x 8' stk. #38 8d nails 40 meters East H. W. L.
Out	32-02	1658 (190)	81-01 (278)		4"x 4"x 8' stk. #34. 8d nails 20 meters South H. W.L.
Why	32-02	1484 (364)	81-01 (1035)		4"x 4"x 8' stk. 55 meters North H. W. L.
All	32-02	1516 (332)	81-01 (1321)		4"x 4"x 8' stk #33 8d nails 7 meters North H. W. L.
Tri	32-03	488 489 (1350) 9	801 703 81-00 (604) 703		4"x 4"x 4' stk #22 East end of line of Palms on neck of Hi. grd. 9 m. North H. W. L.
Ar	32-03	117 (1731)	81-00 (1263)		4"x 4"x 8' stk. #21 tacks 28 meters East H. W. L.
Ben	32-02	1545 (303)	81-00 (1139)		1 ft. sq. blaze on 2' oak on tree and H. W.L. on S. Shore.
By	32-02	1430 (418)	80-59 (288)		4"x 4"x 8' stk. #20--Tacks 2 meters East H. W. L.
Off	32-02	1174 (674)	80-59 (389)		Triangular blaze on tall 14" Pine at edge of tree line. 89 meters south H. W. L.

Topo. Sheet "H" continued.

Name	Latitude		Longitude		Marked
	o	' Meters	o	' Meters	
Pi	32-04	799 (1048)	81-00	937 (636)	Triangular blaze on tallest single Cedar. 50 meters North of edge of swamp grass.
Rot	32-04	620 (1228)	81-00	873 (701)	Dead tree (East)
Do	32-04	666 (1182)	81-00	602 (971)	4"x 4"x 8' cyp. stk. 1 ft. above ground #12 with tacks 20 meters from edge of marsh grass.
Wat	32-04	282 (1566)	81-00	756 (817)	4" cyp stk 4 tacks in head. 45 meters from edge of swamp grass
Pal	32-04	158 (1690)	81-00	639 (934)	Sq. blaze on lone Palm tree 28 meters edge marsh grass
Spa	32-03	1779 (69)	81-00	784 (789)	4" cyp. stk. 3 tacks 45 meters edge grass
Par	32-03	1590 (258)	81-00	471 (1102)	Dead Tree
On	32-04	100 (1748)	81-00	200 (1373)	4" cyp. stk. 2 tacks. 1 ft. above ground 7 m. edge grass.
Not	32-03	1823 (25)	80-59	--- (86)	4"x 4"x 8' cyp. stk. #14 with tacks 17 meters from edge marsh grass

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. H

REGISTER NO. 6165 (Addl. Wk. 1936)

State Georgia

General locality Tybee Roads, Georgia

Locality Whitemarsh Island

Scale 1-10000 Date of survey October 30, 1936

Vessel Charleston, S.C.

Chief of party Benjamin H. Rigg

Surveyed by Benjamin H. Rigg

Inked by Benjamin H. Rigg

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 19____

Remarks: resurvey to locate beacons and HWL at entrance to

Wilmington River Georgia.

DESCRIPTIVE REPORT TO ACCOMPANY
REVISION SURVEY OF G.C.S. 6165

INSTRUCTIONS

For information regarding inking see Director's letter reference 80-LEF, 9/15/36.

PURPOSE OF REVISION

Location of shoreline at the highwater mark for a new dredged cut, and to locate the new beacons placed to mark it.

SURVEYING METHODS USED

Standard topographic methods were used in executing all new work shown on this sheet. The table was set up at BUT and oriented ~~on~~ Bonaventure WT, Pure Oil Tank, and Rail. A cut and orientation line was drawn to ^{a flag} placed at a convenient point for a set-up on the south bank near the center of the new cut. The table was next set up at this flag, oriented on BUT and the position determined by a right angle resection on RAIL. From this set up the shoreline and beacons were located by rod readings.

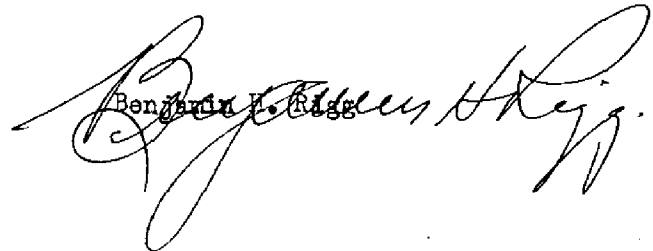
REVISION WORK

Approximately four tenths of a mile of shoreline was located.
Beacons 13, 14, 16, & 17 were located.
U.S.E. Station INLAND was located.

LEGEND

New work is shown in brown ink.

Respectfully submitted by


Benjamin F. Rice

REVIEW OF GRAPHIC CONTROL SURVEY T-6165, SCALE 1:10,000*(Additional Work, 1936)*

Date of Review

1. ✓ This survey has been reviewed in connection with Air Photo Compilation Nos. T-5143, , with particular attention to the following details:

- ✓(a) Projection has been checked in the Field.
- ✓(b) Accuracy of location of plane table control points.
- ✓(c) Discrepancies between detail on this survey and the air photo compilations listed above.
- ✓(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. ✓ Refer to the reviews and descriptive reports of air photo compilations Nos. T-5143, , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

H. H. Schleiter
1/12/37